



DeKalb County
Department of Purchasing and Contracting



Maloof Administration Building, 1300 Commerce Drive, 2nd Floor, Decatur, Georgia 30030

November 18, 2016

TO: All Bidders under Invitation to Bid No.: 16-100761
FROM: Department of Purchasing and Contracting, DeKalb County, Georgia

ADDENDUM NO.: 2

Invitation to Bid (ITB) No.: 16-100761, Yellow River Force Main Replacement 2016, is hereby amended as follows:

- 1. This bid opening has been extended to November 30, 2016.**
- 2. We have received questions pertaining to this ITB. The questions and their resulting answers appear below:**

A. Question:

Measurement and Payment 1025-3 1.3.E. Coordinated Site Restoration Refers to Bid Item 004-0022. There is no bid item with this number.

Answer:

Strike this Sub-paragraph from the Specifications..

B. Question:

The description on bid item # 668-3300 should read "2 Bolted Covers and Lids"

Answer:

Please change the description for pay item 668-3300 from "... 2 bottled Cover and Lips" to "with bolt down manhole cover and frame, watertight"

C. Question:

Item # 615-100, "Jack and Bore Pipe" and Item # SP-4, "Micro-tunneling Through Rock" are redundant items. It would appear the county wants us to include a price for both, but only one of the techniques will be utilized depending on what subsurface conditions are found?

Answer:

Per Section 01010 SUMMARY OF WORK, either Jack and Bore or Microtunneling will be the trenchless methodology used to replace and re-route the 4-in sanitary sewer force main through an 18-in steel casing pipe. Per Section 01025, MEASUREMENT AND PAYMENT, Paragraph 1.3, MEASUREMENT AND PAYMENT, Sub-paragraph D, MICROTUNNELING: Bid Item SP-4, shall be INITIATED ONLY UPON APPROVAL BY THE ENGINEER AND THE OWNER, and this approval will only be provided should rock materials ben encountered to such a degree that the line and grade of a traditional Jack / Bore operation cannot be ensured. Only one method will be selected and paid.

If Pay Item SP-4 is not used, it will not be paid.

For the purposes of this Contract, Microtunneling refers to Microtunneling or Pilot Tube Microtunneling with **NO MAN ENTRY INTO THE TUNNEL**, and is suitable for the small diameter pipes and casing pipes described by the Scope of Work. The main equipment to be used for microtunneling is a

microtunneling boring machine (MTBM). It is anticipated that, if necessary, a Three Pass Pilot Tube Microtunneling System or Two Pass Microtunneling System would be used.

D. **Question:**

The Geotech analysis and boring were terminated at 15-feet BGS, yet excavation is expected to be 30-feet. What was the reason for terminating at 15-feet?

Answer:

Additional geotechnical information is required. See Modification to the Bid below.

E. **Question:**

If rock is encountered, and the casing is restricted to 18", is rock bore a suitable alternative to micro-tunneling?

Answer:

This will be determined by the Engineer based on the recommendations of the Geotechnical Engineer's Geotechnical Investigations Report.

F. **Question:**

Is it mandatory to use micro tunneling if rock is found?

Answer:

See the response to Comment E above.

G. **Question:**

If so, please clarify if we would be paid for the initial jack and bore until rock is found? Then would you pay the whole length for micro tunneling? In order to micro tunnel, the casing from the jack and bore would have to be pulled out.

Answer:

No. One methodology will be selected and used, and only one will be active for payment. The required Geotechnical Investigations shall be used to determine the presence and nature of rock in the work area. Per the revisions to the specifications provided below, the trenchless technology to be used will be determined before mobilization of any jacking / boring / microtunneling equipment / resources have been conducted. It is the County's objective to minimize the Contractor's risk of abandoning a pipe advancement methodology by requiring the geotechnical investigation be conducted during the submittal phase, prior to mobilization. In addition, should rock be found in the excavation areas, the Rock Excavation Pay Item is provided to allow payment for that additional level of effort.

H. **Question:**

We can do jack and bore and ensure the grade within a reasonable margin.

Answer:

The line and grade of the pipeline under the Yellow River must adhere to the tolerances specified. A "reasonable margin" is insufficient.

I. **Question:**

If Micro tunneling is required, we would have to go to a 36" or probably 54" casing. Please clarify if we can bid jack and bore or micro tunneling at our own risk.

Answer:

Microtunneling or Pilot Tube Microtunneling should accommodate an 18-in steel casing pipe without the need to upsize the bore as stated.

J. Question:

Please provide geotechnical information.

Answer:

The geotechnical report that was provided to R2T and the full sized Adobe Acrobat "pdf" drawings have been previously made available to the attendees of the Mandatory Pre-Bid Conference.

<https://r2t.hostedftp.com/BRUZePVqtnLKzpAi7XCwBhxuE>

See the REVISIONS TO SPECIFICATIONS below for additional information on Geotechnical Investigations.

K. Question:

Drawing C-1 shows rip rap under water. Are we supposed to add rip rap to the bottom of the river? The note appears to be for existing conditions. Please clarify.

Answer:

Please note the title of Sheet C-1 is "Existing Conditions."

UNDER NO CIRCUMSTANCES SHALL ANY MATERIALS BE DEPOSITED INTO THE YELLOW RIVER. The construction limits for this project are landward of the river-facing bore and receiving pit excavation walls. Only trenchless construction methods shall be used waterward of these limits. No stream bank buffer, stream bank, or work in the river are approved for this project.

L. Question:

Detail 6/C-13 includes detail for stream stabilization. Please clarify extent of work. Is rock required? What size? What are the limits? What is the pay item?

Answer:

Sheet C-12 and Detail 6/C-13 provide the details for how the bank of the Yellow River would be stabilized should the Contractor damage these areas during construction. The leader line and callout on the south side of the Yellow River for structural BMP "Sb" is only to be performed per Owner direction, and that direction will only be provided in the case of damage to the streambank during construction. There is no pay item for structural BMP "SB" or "Bf," and no payment will be made for Construction related impacts in these areas. Impacts to these areas are not part of the Scope of Work of this project.

These details are solely for use in promoting the recovery of natural systems that occur outside of the design intent of this project. They will only be implemented 1. After damage occurs in these areas as a result of construction; 2. After the Engineer's evaluation of extent of the impacts and the need for implementation of recovery measures; and 3. After direction to repair these unanticipated damages has been provided in writing by the Owner.

M. Question:

Please clarify the limits, scope and intent of detail 1/C-13. Drawing C-12 refers to it as per Owner's direction. What is the pay item? Would it be paid under the different items of work like fertilizer, lime, trees (700-7000, 8000, 8100, etc.)?

Answer:

Please refer to the response for Question L above.

3. Modification to the Bid.**A. CHANGES TO THE BID SCHEDULE – REVISED BID SCHEDULE ATTACHED**

The description for Pay Item 680-3300 should read as follows:

“SANITARY SEWER MANHOLE, 6' X6', BOTTOMLESS, 6' DIAMETER TOP, WITH BOLD DOWN MANHOLE COVER AND FRAME, WATERTIGHT”

B. CHANGES TO THE SPECIFICATIONS

Section 01025 MEASUREMENT AND PAYMENT Paragraph 1.3 MEASUREMENT AND PAYMENT, Sub-paragraph E., Coordinated Site Restoration

Shall be deleted.

C. Section 02441 MICROTUNNELING, Paragraph 1.4 SUBMITTTALS, Sub-paragraph I., Geotechnical Investigations:

Shall be amended to read as follows:

“GEOTECHNICAL INVESTIGATIONS: Procure the services of a Georgia licensed geotechnical engineer to conduct geotechnical investigations to a depth no less than five (5) feet beyond the maximum shaft excavation depth to evaluate the presence and nature of rock materials in the work area. The geotechnical engineer shall select the most appropriate locations for his/her investigations, but at a minimum, shall provide data at each pit location shown on the drawings. Submit results in both hardcopy and electronic form to the owner’s representative for review and record purposes. The results of the geotechnical investigation must be received by the owner’s representative at the same time or prior to the submittal of other excavation / jacking / boring / microtunneling plans and / or submittals.”

D. Section 02446 AUGURING/JACKING AND BORING, Paragraph 1.7 Submittals, Sub-paragraph I

Shall be added as follows:

GEOTECHNICAL INVESTIGATIONS: Procure the services of a Georgia licensed geotechnical engineer to conduct geotechnical investigations to a depth no less than five (5) feet beyond the maximum shaft excavation depth to evaluate the presence and nature of rock materials in the work area. The geotechnical engineer shall select the most appropriate locations for his/her investigations, but at a minimum, shall provide data at each pit location shown on the drawings. Submit results in both hardcopy and electronic form to the owner’s representative for review and record purposes. The results of the geotechnical investigation must be received by the owner’s representative at the same time or prior to the submittal of other excavation / jacking / boring / microtunneling plans and / or submittals.”

For the purposes of meeting the Submittal requirements for either, only one set of geotechnical investigations, meeting the requirements of one, is necessary to meet the requirements of the other.

E. Section 02246 AUGURING / JACKING AND BORING, Paragraph 3.7 ROCK EXCAVATION, Sub-paragraph A.

Shall be deleted.

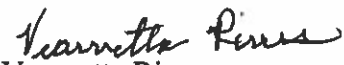

F. Section 02246 AUGURING / JACKING AND BORING, Paragraph 3.7 ROCK EXCAVATION, Sub-paragraph B.

Shall be amended and become:

In the event that rock is encountered during the installation of the casing pipe, the contractor shall remove the rock through the casing at the contract unit price for rock excavation. The amount of rock excavated (cubic yards) shall be determined by the linear length of undisturbed rock encountered times the diameter of the casing pipe.

4. If a bid has been submitted and anything in this Addendum causes the bidder to change the item offered or to increase or decrease the proposal price, the new price and / or changes will be inserted below:

5. It is the responsibility of each bidder to ensure that he/she is aware of all addenda issued under this ITB. *The return of this addendum is mandatory with the bid submittal, bidder(s) may be deemed not responsive for the omission of this addendum with bid submittal.* Please sign and return this addendum. You may call Vearnetta Rivers, Procurement Agent Sr. at (404)371-2936 before the bids are due to confirm the number of addenda issued.
6. All other conditions remain in full force and effect.


Vearnetta Rivers
Procurement Agent Sr. 
Department of Purchasing and Contracting

ACKNOWLEDGMENT

Date: _____

The above Addendum is hereby acknowledged:

(NAME OF BIDDER)

(Signature)

(Title)

VNR:CGH

BID SCHEDULE

Revised 11/18/16

| ITEM NO. | ITEM DESCRIPTION | QUANTITY | UNIT | UNIT PRICE |
|----------------|--|----------|----------|------------|
| 163-0232 | Temporary Grassing | 0.25 | AC | |
| 163-0240 | Mulch | 0.63 | TN | |
| 163-0300 | Construction Exit | 2 | EACH | |
| 165-0030 | Maintenance of Silt Fence Type-C | 3,902 | LF | |
| 165-0101 | Maintenance of Construction Exit | 2 | EACH | |
| 167-1000 | Water Quality Monitoring and Sampling | 1 | EACH | |
| 167-1500 | Water Quality Inspections | 6 | MO | |
| 171-0030 | Temporary Silt Fence, Type-C | 3,902 | LF | |
| 700-6910 | Permanent Grassing | 0.25 | AC | |
| 700-7000 | Agricultural Lime | 0.38 | TN | |
| 700-8000 | Fertilizer Mixed Grade | 0.19 | TN | |
| 700-8100 | Fertilizer Nitrogen Content | 6.25 | LB | |
| 700-9400 | Native Restoration and Riparian Seeding | 0.25 | AC | |
| 702-7501 | Tree Protection Barrier, Type 1 | 1,500 | LF | |
| 210-0100 | Grading Complete | 1 | LS | |
| 310-5080 | Graded Aggregate Base 8-Inch Thick | 257 | CY | |
| 500-3101 | Class A Concrete | 10 | CY | |
| 615-100 | Jack and Bore Pipe | 230 | LF | |
| 660-0804 | Sanitary Sewer Pipe 4 Ductile Iron | 300 | LF | |
| 660-1150 | Cut & Plug Existing Force Main | 2 | EACH | |
| 660-1915 | Gate Valve, 4" | 2 | EACH | |
| 660-2040 | Air Release Valve Assembly | 1 | EACH | |
| 660-2115 | Swing Check Valve, 4" | 2 | EACH | |
| 660-2215 | Eccentric Plug Valve, 4" with Hand Wheel | 2 | EACH | |
| 660-2215 | MJ Plug Valve, 4" | 2 | EACH | |
| 660-2315 | Insertion Valve, 4" Gate Valve | 2 | EACH | |
| 660-3550 | Rock Excavation | 300 | CY | |
| 670-7000 | Steel Casing, 18" | 230 | LF | |
| 660-3500 | Replacement of Unsuitable Trench Material | 625 | CY | |
| 668-3300 | Sanitary sewer manhole, 6' x6', bottomless, 6' diameter top, with bold down manhole cover and frame, watertight. | 2 | EACH | |
| 670-4490 | Concrete Thrust Collar | 2 | EACH | |
| SP-2 | CAM Lock Coupling | 2 | EACH | |
| SP-3 | #57 Stone | 25 | CY | |
| SP-4 | MICROTUNNELING Through Rock | 230 | LF | |
| BASE BID TOTAL | | | \$ _____ | |